

Comparisons of Job Characteristics

Focus Occupation: [Layout Workers, Metal and Plastic \(51-4192\)](#)

Associated Occupation: [Sheet Metal Workers \(47-2211\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Layout Workers, Metal and Plastic (51-4192)

Associated Occupation: Sheet Metal Workers (47-2211)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	17.4	15.1	<	Expanded education and/or training may be required
Building and Construction	4.0	16.5	12.6	<<	Extensive education and/or training may be required
Design	5.2	14.9	12.8	<	Expanded education and/or training may be required
Mathematics	9.2	14.8	14.7	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	13.5	6.5	<<	Extensive education and/or training may be required
Administration and Management	8.4	11.7	5.8	<<	Extensive education and/or training may be required
Production and Processing	6.0	11.0	10.2	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 78

Focus Occupation: Layout Workers, Metal and Plastic (51-4192)

Associated Occupation: Sheet Metal Workers (47-2211)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mathematics	6.2	9.4	7.3	<	A higher skill level may be required
Equipment Maintenance	3.5	7.4	4.8	<<	Extensive development of skills in this area may be required
Repairing	3.4	6.9	4.7	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	6.4	6.0	0	Current skill level may be sufficient

Installation	1.7	4.4	1.6	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 89			
Focus Occupation: Layout Workers, Metal and Plastic (51-4192) Associated Occupation: Sheet Metal Workers (47-2211)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visualization	7.5	12.3	11.5	0	Current ability level may be sufficient
Selective Attention	8.7	10.6	9.4	<	Some improvement in abilities may be required
Static Strength	5.0	10.0	7.2	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	9.5	7.5	<	Some improvement in abilities may be required
Auditory Attention	5.9	9.1	8.2	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	7.3	3.1	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	7.1	3.7	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 90
Focus Occupation: Layout Workers, Metal and Plastic (51-4192) Associated Occupation: Sheet Metal Workers (47-2211)		
Work Activities	Exclusivity of Activity	
Examine products or work to verify conformance to specifications	15	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Lay out machining, welding or precision assembly projects	63	
Make independent judgment in assembly procedures	64	
Read blueprints	10	
Read production layouts	66	
Read technical drawings	7	
Recognize characteristics of metals	62	
Understand technical operating, service or repair manuals	6	
Use hand or power tools	2	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Layout Workers, Metal and Plastic (51-4192)

Associated Occupation: Sheet Metal Workers (47-2211)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.